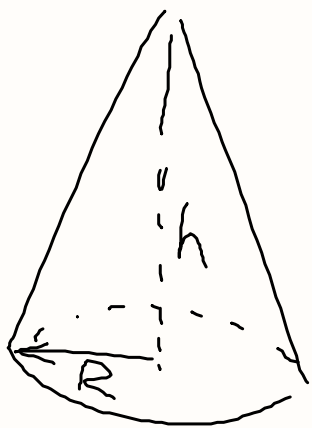


# 7 p. 532



# 8 p. 532

$$\begin{array}{l} C = 44 \text{ ft} \\ h = 5 \text{ ft} \end{array}$$

$$V = ?$$

# 11 p. 533

$$V = \frac{1}{3} \pi R^2 h$$

$$C = 2\pi R$$

$$V = \frac{1}{3} \pi \cdot 7^2 \cdot 5 =$$

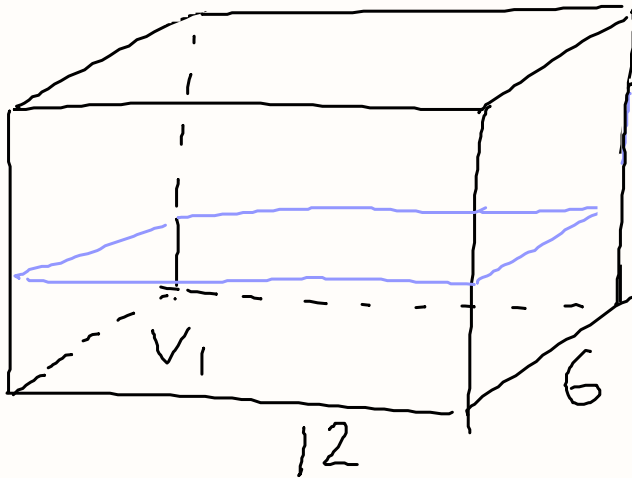
$$= \frac{3.14 \cdot 49 \cdot 5}{3} = 256.43 \text{ ft}^3$$

$$C = \frac{2\pi R}{2\pi}$$

$$R = \frac{C}{2\pi} =$$

$$= \frac{44}{2 \cdot 3.14} \approx 7 \text{ ft}$$

#8 p.533



$$\underline{V_1 = 12 \cdot 6 \cdot 5 = 360 \text{ cm}^3}$$

$$H = 15$$

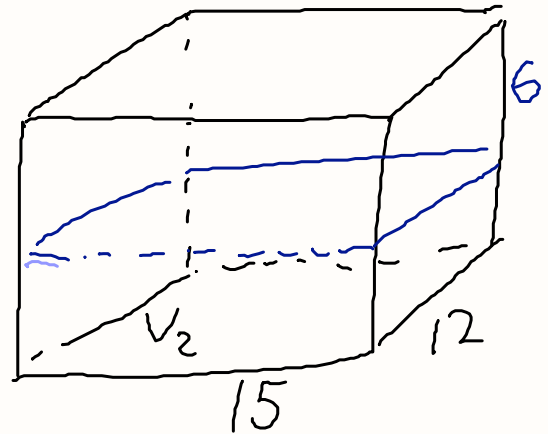
$$V_1 = V_2$$

$$h = 5$$

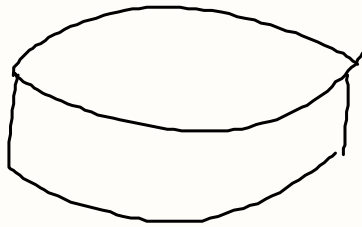
$$360 = 15 \cdot 12 \cdot h$$

$$360 = 180 \cdot h$$

$$h = 2 \text{ cm}$$



(11)



$$D = 7 \text{ feet} = 84 \text{ in}$$
$$h = 8 \text{ in}$$

$$V = \pi R^2 \cdot h$$

$$R = \frac{D}{2} = \frac{84}{2} = 42 \text{ in}$$

$$V = 3.14 \cdot 42^2 \cdot 8 \approx \underline{44312 \text{ in}^3}$$